

AMENDMENTS TO THE CLAIMS:

Please cancel claims 25 – 28, and 36, without prejudice or disclaimer of their subject matter, and amend claims 18 – 24, 29 – 33, and 35, as follows. This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1 – 17 (Canceled)

18. (Currently Amended) A non-reciprocal circuit module comprising (a) a permanent magnet for applying a DC magnetic field to a magnetic body, (b) an assembly comprising a plurality of central conductors and said magnetic body placed therein, each of said central conductors having a common terminal at one end and an input/output terminal for a high-frequency signal at the other end, (c) ~~a plurality of load capacitors formed in~~ a laminate constituted by a plurality of dielectric layers having conductor layers comprising electrode patterns, ground electrodes, and line electrodes and connected to said central conductors, (d) said laminate comprising a plurality of load capacitors connected to said central conductors, a first transmission line ~~connected to any one of said central conductors~~, and [(e)] a second transmission line magnetically coupled to said first transmission line to constitute a directional coupler, said load capacitors being formed by conductor layers (electrode patterns) opposing via said dielectric layers, said first and second transmission lines being formed by conductor layers (line electrodes) sandwiched by conductor layers (ground electrodes), through-hole electrodes being provided on dielectric layers on which one of said conductor electrodes (ground electrodes) is formed, and said first transmission line being connected to one of said central conductors on an upper surface of said laminate via said through-hole electrodes in said laminate.

19. (Currently Amended) The non-reciprocal circuit module according to claim 18, wherein said laminate has a pore for receiving said assembly substantially at center, and said conductor layers (electrode patterns) constituting said load capacitors are formed on dielectric layers different from dielectric layers on which said conductor layers (line electrodes) of said first and second transmission lines are formed.

20. (Currently Amended) A non-reciprocal circuit module comprising (a) a permanent magnet for applying a DC magnetic field to a magnetic body, (b) an assembly comprising a plurality of central conductors and said magnetic body placed therein, each of said central conductors having a common terminal at one end and an input/output terminal for a high-frequency signal at the other end, and (c) a laminate constituted by a plurality of dielectric layers having conductor layers comprising electrode patterns, ground electrodes and line electrodes, (d) said [[a]] laminate comprising a plurality of load capacitors ~~formed by conductor layers electrically connected to said assembly and each opposing via a dielectric layer,~~ a first transmission line ~~connected to any one of said central conductors,~~ and a second transmission line magnetically coupled to said first transmission line to constitute a directional coupler, said load capacitors being formed by conductor layers (electrode patterns) opposing via said dielectric layers, said [[the]] conductor layers (electrode patterns) of said plural load capacitors on the hot side and the ground side being divided for every load capacitor together with a through-hole electrode connected to conductor layers (electrode patterns) on said ground side being formed between conductor layers (electrode patterns) on said hot side formed on the same dielectric layer, said first and second transmission lines being formed by conductor layers (line electrodes).

the other through-hole electrodes being provided in the dielectric layers formed said electrode layers (electrode patterns), and said first transmission line being connected to one of said central conductors via said through-hole electrodes.

21. (Currently Amended) The non-reciprocal circuit module according to claim 18, wherein said laminate has a pore for receiving said assembly substantially at center, and said first and second transmission lines are placed such that they enclose said pore.

22. (Currently Amended) A non-reciprocal circuit module comprising (a) a permanent magnet for applying a DC magnetic field to a plate-shaped magnetic body, (b) an assembly comprising a central conductor member comprising central conductors extending from a ground electrode formed by a thin copper plate radially in a plurality of directions, and said magnetic body, said central conductors encircling said magnetic body in a mutually insulated manner and crossing substantially at the center of said magnetic body, and (c) a laminate formed by a plurality of dielectric layers having conductor layers comprising electrode patterns, ground electrodes, and line electrodes and having a pore for receiving said assembly substantially at center, said laminate comprising a plurality of load capacitors each formed by conductor layers opposing via said dielectric layer around said pore, a first transmission line connected to any one of said central conductors, and a second transmission line magnetically coupled to said first transmission line to constitute a directional coupler, part of conductor layers (pattern electrodes) of said load capacitors on the hot side being formed on a main surface of said laminate opposing to said permanent magnet, said load capacitors being electrically connected to said assembly, ~~such that one of said load capacitors is electrically connected to said first transmission line being~~

connected to a pattern electrode formed on said main surface via through-holes formed in dielectric layers, and ends of [[via]] said central conductors, while the other load capacitors are not being connected to said first transmission line said conductor layers (pattern electrodes) formed on said main surface of said laminate and said electrode patterns.

23. (Currently Amended) The non-reciprocal circuit module according to claim 18, wherein an electrostatic capacitor is connected to at least one end of said first transmission line in parallel with said load capacitors, thereby constituting a low-pass filter, said electrostatic capacitor being formed by electrodes for said electrostatic capacitor sandwiched by conductor layers (ground electrodes) and said conductor layers (ground electrodes), and each one end of electrodes for said electrostatic capacitor being connected to said first transmission line via other through-hole electrodes.

24. (Currently Amended) The non-reciprocal circuit module according to claim [[20]] 18, wherein an electrostatic capacitor is connected to at least one end of said first transmission line in parallel with said load capacitors, thereby constituting a low-pass filter, and said electrostatic capacitor being formed by electrodes for said electrostatic capacitor sandwiched by conductor layers (ground electrodes), and each one end of electrodes for said electrostatic capacitor being connected to said first transmission line via other through-hole electrodes, and an attenuation pole being provided at a resonance frequency of a parallel resonance circuit.

25 28 (Canceled)

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29. (Currently Amended) The non-reciprocal circuit module according to claim 18, wherein said first and or second transmission line is formed by electrically connecting a plurality of divided conductor layers placed on a plurality of dielectric layers via through-holes, and said second transmission line is connected to a resistor element formed in or mounted on said laminate via other through-hole electrodes formed in dielectric layers.

30. (Currently Amended) The non-reciprocal circuit module according to claim 18, wherein ~~conductor layers constituting~~ said first and/or second transmission lines ~~have areas overlapping in a lamination direction,~~ are constituted by connecting two conductor layers (electrode patterns) formed on the different dielectric layers via through-holes, of which positions are changed to adjust the degree of coupling.

31. (Currently Amended) The non-reciprocal circuit module according to claim 18, wherein ~~[[a]] one of the conductor layers (ground electrode) sandwiching said first and second transmission lines~~ is constituted by a wide conductor layer on a rear surface of said laminate, and is connected to conductor layers (electrode patterns) for said load capacitors on the ground side via through-hole electrodes ~~said ground electrode being a common ground for said first and second transmission lines and said load capacitors.~~

32. (Currently Amended) The non-reciprocal circuit module according to claim 18, wherein said laminate has a first laminate region in which conductor layers constituting said first and second transmission lines are formed, and a second laminate region placed above said first laminate region, in which a plurality of load capacitors constituting a non-reciprocal circuit, are

formed, and one of said conductor layers (ground electrodes) is formed between said first laminate region and said second laminate region.

33. (Currently Amended) The non-reciprocal circuit module according to claim [[18]] 20, wherein said first and second transmission lines are placed such that they do not overlap with conductor layers constituting said load capacitors in a lamination direction.

34. (Previously Presented) The non-reciprocal circuit module according to claim 18, wherein said laminate further comprises a high-frequency amplifier, an output terminal of said high-frequency amplifier being connected to one end of said first transmission line by said conductor layers in said laminate.

35. (Currently Amended) The non-reciprocal circuit module according to claim [[18]] 23, wherein said high-frequency amplifier comprises a amplifier circuit comprising a transistor, an input-matching circuit connected to the input terminal of said amplifier circuit, and an output-matching circuit connected to the output terminal of said amplifier circuit, each of said input-matching circuit and said output-matching circuit having a capacitor and an inductor, said transistor of said amplifier circuit being mounted onto said laminate, and said inductor being formed as a transmission line in said laminate, wherein said low-pass filter is used as an output-matching circuit connected to the output terminal of said amplifier circuit.

36. (Canceled)

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